INDEX.

Abies Bracteata, 1
Address to the Graduates in Medicine of the University of Edinburgh, 204
Ægilops triticoides, 306
Agardh, Obituary of, 171
Arrow-Poison from China, 119
Assafœtida Plant, Flowering of, in the Botanic Garden, Edinburgh, 153
Axial Appendages of Plants, Measurement of, 144
Barometer, Diurnal Oscillations of the, 225
Beetles, New Eyeless, 141
Birds of the Island of Heligoland, 140
Blood, Coagulation of the, 269
Bloxam, T., on the Composition of Old Scotch Glass, 131
Bond, George P., Account of Donati's Comet, 60
Botanical Intelligence, 274
——— Society, Proceedings of, 144, 272
British Zoophytes, Observations on, 105
Brown Coal Tar, Constituents of, 255
Californian Trees, Notes on, 1
Cavendish, Priority of, as Discoverer of the Composition of Water, 270
Change of Temperature in Mines, 156
Christison, Professor, on a New Arrow-Poison from China, 119
Cleghorn, Dr, on the Conservation of Indian Forests, 167
Cola Nuts of Africa, 156
Comet, Donati's, Account of, 60
Composition of Water, Priority of Cavendish as Discoverer of the, 270
Conservation of Indian Forests, 167
Creation, Mosaic Account of, 214
Davies, Thomas, on the Diurnal Oscillations of the Barometer, 225
Davis, J. Barnard, on the Eruption of the Volcano Mauna Loa, in Hawaii, 94
Davy, John, M.D., on the Coagulation of the Blood, 269
——— on the Electrical Condition of the Fowl's Egg, 201
——— Notice of a Shower of "a Sulphurous Substance," which fell in Inverness-shire in June 1858, 116
——— Unusual Fall of Rain in the Lake District, 136
Diurnal Oscillations of the Barometer, 225
Donati's Comet, Account of, 60
Dracæna Draco, Manner of Growth of, by Prof. Piazza Smyth, 150
Dürre, Max, on the Constituents of Brown Coal Tar, 255

XUM

Earthquake Shocks in Cornwall, during the great Earthquakes of Lisbon in 1755, 1761, and 1858, 154
Earthquake at Quito, 273
Edwards, Milne, on Spontaneous Combustion, 307
Electrical Condition of the Common Fowl's Egg, by Dr John Davy, 201
Electricity, Vibrations produced by, 114
Espy, James P., Joule's Unit Verified, 252
Eyeless Beetles, New, 141
Felling of Forests causing Dryness of Climate, 306
Ferns, Vascular Bundles of, 305
Fiji Islanders, Plants used as Food by, 151
Fisher, James C., on the Mosaic Account of Creation, 214
Flame, on the Constitution of, 118
Flint Implements in the Drift, 283
Forbes, Professor, on certain Vibrations produced by Electricity, 114
——— Inquiries concerning Terrestrial Temperature, 123
Fossil Nautilus, from the Island of Sheppy, 142
——— Whale, 299
——— Bovine Remains found in Britain, 31
Fruits of the Cucurbitaceæ, as Models of various Vessels, &c., 279
Galago, A. Murray on the Genus, 243
Geographical Distribution of Plants, 299
Geology of the Rocky Mountain Chain in the Vicinity of Santa Fé, New Mexico, 301
Geology of Southern Australia, 297
Glacier Action and Glacier Theories, by Alfred Wills, 39
Glass, on the Composition of Old Scotch, 131
Goodsir, Prof., Address to Medical Graduates, 284
Greville, R. K., New Species of *Navicula* in Californian Guano, 25
Hard Structures of Animals, Vegetable Parasites in the, 306
Hard Waters, Action of, on Lead, 8
Heligoland, Birds of the Island of, 140
Herring, Natural History of the, 122
How, Professor, Account of Three New Minerals from the Bay of Fundy, 84
Humboldt, Obituary of, 168
Hunter, Alex., M.D., on the Raw Products of India, 173
India, Raw Products of, 137
Indian Forests, Conservation of, 167
Inferior Oolite, Subdivision of, in the South of England, compared with the Beds in Yorkshire, 287
Japan, Commercial View of, 312
Japanese Wax, 161
Joule's Unit Verified, 252
Jurassic Flora, 293
Law of Storms, 300
Lichens, Spermogones, and Pycnides of, 124
Lindsay, Dr Lauder, on the Action of Hard Waters on Lead, 8
——— on the Spermogones and Pycnides of Lichens, 124
Lower Secondary Rocks of England, Attenuation of, towards the South-east, 291

Luminous Impressions, Gradual Production of, on the Eye, 137
Manufacture of Aluminium, 313
Mauna Loa, Eruption of the Volcano of, 94
Mercury, Behaviour of, as an Electrode, 121
Meteoric Iron, 304
Minerals, Account of Three New, 84
Mitchell, J. M., Natural History of the Herring, 122
Mosaic Account of the Creation, 214
Murray, Andrew, Notes on Californian Trees, 1
——— on some New Eyeless Beetles from the Caves of Carniola and Hungary, 141
——— on the Genus Galago, 243
Navicula, New Species of, 25
New Minerals from the Bay of Fundy, 85
North American Crustacea, Notes on, 314
Obituary of Humboldt, 168
——— Agardh, 171
Old Calabar, Plants from, 159
On the Coiling of Tendrils, 306
Ossiferous Cave near Palermo, 292
Palicthyological Notes, 294
Pearl Banks of Arippo, Ceylon, 142
Plants, Temperature of, 156
——— from Old Calabar, 159
——— used as Food by the Fiji Islanders, 151
——— Respiration of, 305
Preservation of Footprints on the Sea-shore, 272
Protozoa, Description of New, 97
Radiant Heat, Researches on, 268
Rain-fall in Scotland during 1858, 164
Rain, Unusual Fall of, in the Lake District, 139
Raw Products of India suited to Manufacturing Purposes, 173
Reptilian Remains from South Africa, 289
——— Eggs in the Oolite, 294
Respiration of Plants, 305
Rocky Mountains, Botany of the, 305
Royal Society of Edinburgh, Proceedings of, 114, 268
Royal Physical Society, Proceedings of, 140
Seal, Remains of a, found at Portobello, 131
Skene, David, M.D., of Aberdeen, Biographical Sketch of, 315
Spermogones and Pycnides of Lichens, 8
Spontaneous Combustion, 307
——— Generation, Note on, 310
Stevenson, Thomas, Destructive Effects of the Waves in Shetland, 138
Stewart, Balfour, on the Connection between Temperature and Resistance in the Simple Metals, 120
——— on Radiant Heat, 268
Sulphurous Substance, Shower of, 116
Swan, Professor, on the Constitution of Flame, 118

XUM

Swan, Professor, on the Gradual Production of Luminous Impressions on the Eye, 137
Swellendam, South Africa, Geology of, 143
Temperature of Plants, 156
Terrestrial Temperature, Inquiries concerning, 123
Torreya myristica, 7
Transformation of Woody Fibre into Sugar, 313
Trevithick, Richard, C.E., Contributions to the Biography of, 327
Turner, W., on some Fossil Bovine Remains found in Britain, 31
Vascular Bundles of Ferns, 305
Vegetable Parasites in the Hard Structures of Animals, 306
Vibrations produced by Electricity, 114
Waves in Shetland, Destructive Effect of, 138
Wills, Alfred, on Glacier Action and Glacier Theories, 39
Wilson, Prof. George, on the Fruits of the Cucurbitaceæ, as Models of various Vessels, &c., 279
Wright, T. Strethill, Description of New Protozoa, 97
——— Observations on British Zoophytes, 105
——— on Mercury as an Electrode, 121
Zoophytes, Observations on British, 105

END OF VOLUME TENTH—NEW SERIES.

EDINBURGH: PRINTED BY NEILL AND COMPANY.

XUM